

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1-20 (canceled).

21 (new). A modularly designed server having a plurality of server modules and a switching device via which a data packet is transmitted, each server module of said plurality of sever modules comprising:

a data processing unit that processes data of the data packet;

an addressable communication interface that connects to an external network via which the data packet is transmittable;

a switching interface that connects to the switching device; and

a routing calculation unit that checks whether an incoming data packet addresses a server module of the server, said routing calculation unit determining a server module address of the server module of the server using a routing table in accordance with a utilization level of data processing units of all server modules to which the data packet is to be transmitted.

22 (new). The modularly designed server of claim 21, wherein the server module data processes data packets of a particular prescribed application type.

23 (new). The modularly designed server of claim 22, wherein the data packet contains information of the particular prescribed application type, the server module address being calculated in accordance with the particular prescribed application type of the transmitted data packet.

24 (new). The modularly designed server of claim 21, wherein said communication interface includes a buffer that temporarily stores transmitted data packets.

25 (new). The modularly designed server of claim 23, wherein said routing table is constantly updated in an associated routing server module of the modularly designed server.

26 (new). The modularly designed server of claim 25, wherein said routing server module transmits a current routing table to other server modules near the switching interface.

27 (new). The modularly designed server of claim 26, wherein said routing server module collects and evaluates data relating to the utilization level of the data processing units of all server modules of the modularly designed server.

28 (new). The modularly designed server of claim 27, wherein the routing server module updates the routing table on the basis of the evaluated utilization level data, the assigned application types of the other server modules and priority information data for the transmitted data packet.

29 (new). The modularly designed server of claim 21, wherein a data processing process executed within one server module is transmitted to data processing units of other server modules when the utilization level of the data processing unit of a particular server module exceeds a predetermined level.